

Please type a plus sign (+) inside this box

PTO/SB/05 (03-01) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

98-PDC-468 Attorney Docket No. First Inventor Kevin Anthony Simms Bus Bar Thermal Detection

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. EL701525600US Assistant Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: **Box Patent Application** See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) [Total Pages Specification 3. X Computer Readable Form (CRF) eferred arrangement set forth be - Descriptive title of the invention Specification Sequence Listing on: - Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, i i. 🔲 paper or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) ACCOMPANYING APPLICATION PARTS - Detailed Description 9. Assignment Papers (cover sheet & document(s)) - Claim(s) 37 CFR 3.73(b) Statement Power of - Abstract of the Disclosure 10. (when there is an assignee) Attorney English Translation Document (if applicable) 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets Copies of IDS Information Disclosure 12. X 5. Oath or Declaration [Total Pages Citations Statement (IDS)/PTO-1449 Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) **Preliminary Amendment** 13 Return Receipt Postcard (MPEP 503) 14. [X] h (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) **DELETION OF INVENTOR(S)** Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR 16. (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:_ Prior application information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS (Inser! Customer No or Attach, ber code label here) [X Customer Number or Bar Code Label Correspondence address below Martin J. Moran, Esquire Name Cutler-Hammer, Technology & Qualty Center 170 Industry Drive, RIDC Park West Address Zip Code City Pittsburgh State 15275-1032 PA Fax 412 Country Telephone 412/787-6473 /494-3387 US Registration No. (Attorney/Agent) Name (Print/Type) Daniel Signature

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

PTO/SB/17 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it displays a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are required to res

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF	PAYMENT
------------------------	---------

(\$)	
` - /	

750.00

porta to a concotion of mic	initiation discook dispersion a faile of the control figures.	
Complete if Known		
Application Number		
Filing Date		
First Named Inventor	KEVIN ANTHONY SIMMS	
Examiner Name		
Group Art Unit		
Attorney Docket No.	98-PDC-468	

The Commissioner is hereby authorized to charge Code	METHOD OF PAYMENT	METHOD OF PAYMENT FEE CALCULATION (continued)		
Large Samult Sam		3. ADDITIONAL FEES		
Account Carrage Any Additional Fee Required Under 37 CFR 1.15 and 1.17	indicated fees and credit any overpayments to:	_ •		
Charge Any Additional Fea Required	Account 05-0275		Ean Daid	
Charge Any Additional Fea Required 175 130 205 65 Surcharge - late filing fee or cover sheet 175 1			ree Palu	
Charge Any Additional Fee Required Under 37 CFR 1.18 and 1.17 Applicant claims small entity states. See 37 CFR 1.27 139 130 139 130 Non-English specification 147 2.520 147 2.520 For filing a request for ex parte reexamination 147 2.520 147 2.520 For filing a request for ex parte reexamination 147 2.520 147 2.520 For filing a request for ex parte reexamination 147 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for ex parte reexamination 15 10 2.520 147 2.520 For filing a request for exparter examination 15 10 2.520 147 2.520 For filing a request for exparter examination 15 10 2.520 147 2.520 For filing a publication of SIR prior to 15 10 2.520 147 2.520 147 2.520 147 2.520 Extension for reply within forth month 16 10 2.520 147	Account EATON	105 130 205 65 Surcharge - late filing fee or oath		
Applicant claims small entity status. 139 130	Charge Any Additional Fee Required			
Check		139 130 139 130 Non-English specification		
Check		147 2,520 147 2,520 For filing a request for ex parte reexamination		
Section Corder Other O] ,			
1. BASIC FILING FEE Large Entity Small Entity Fee Fe				
1. BASIC FILING FEE Large Entity Small Entity Fee Fe	FEE CALCULATION			
Large Entity Small Entity Fee	1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month		
118 1,390 218 695 Extension for reply within forth month		116 390 216 195 Extension for reply within second month		
101 710 201 355 Utility filing fee		117 890 217 445 Extension for reply within third month		
106 320 206 160 Design filing fee	404 740 204 255 I Mills Eller for	118 1,390 218 695 Extension for reply within fourth month		
119 310 219 155 Notice of Appeal 120 310 220 155 Filing a brief in support of an appeal 120 310 220 155 Filing a brief in support of an appeal 121 270 221 135 Request for oral hearing 121 270 221 135 Request for oral hearing 128 1,510 138	710.00	128 1,890 228 945 Extension for reply within fifth month		
108 710 208 355 Reissue filing fee		119 310 219 155 Notice of Appeal		
114 150 214 75 Provisional filing fee SUBTOTAL (1) (\$) 710.00		120 310 220 155 Filing a brief in support of an appeal		
SUBTOTAL(1) (\$) 710.00 2. EXTRA CLAIM FEES Total Claims		121 270 221 135 Request for oral hearing		
2. EXTRA CLAIM FEES Extra Claims 12 -20** = 0 X		138 1,510 138 1,510 Petition to institute a public use proceeding		
Total Claims 12 .20** = 0 X = 0.00 Independent 3 .3** = 0 X = 0.00 Independent	SUBTOTAL(1) (\$) 710.00	140 110 240 55 Petition to revive - unavoidable		
Total Claims 12 -20** = 0 x = 0.00 143 440 243 220 Design issue fee 143 440 243 220 Design issue fee 144 600 244 300 Plant issue fee 145 130 122 130 Petitions to the Commissioner 146 180 126 180 Submission of Information Disclosure Stmt 146 180 126 180 Submission of Information Disclosure Stmt 146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a)) 149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b)) 149 710 279 355 Request for expedited examination of a design application 149 710 279 355 Request for expedited examination 149 710 279 355 Request for expedited examination of a design application 149 710 279 355 Request for expedited examination 149 710 279 355		141 1,240 241 620 Petition to revive - unintentional		
Total Claims 12		142 1,240 242 620 Utility issue fee (or reissue)		
Claims Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Pee Pee Pee	Total Claims 12 $-20^{-4} = 0$ \times $= 0.00$	143 440 243 220 Design issue fee		
Large Entity Small Entity Fee		144 600 244 300 Plant issue fee		
Large Entity Small Entity Fee		122 130 122 130 Petitions to the Commissioner		
Fee Fee Fee Fee Fee Fee Pee Fee Pee Fee Pee Fee Pee Fee Pee P		123 130 123 130 Petitions related to provisional applications		
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20 102 80 202 40 Independent claims in excess of 3 104 270 204 135 Multiple dependent claim, if not paid 109 80 209 40 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL(2) (\$\$) 0.00 581 40 581 40 Recording each patent assignment per property (times number of properties) 146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a)) 149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application Other fee (specify)		126 180 126 180 Submission of Information Disclosure Stmt		
104 270 204 135 Multiple dependent claim, if not paid 109 80 209 40 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL(2) (\$\$) 0.00 149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application Other fee (specify)	Code (\$) Code (\$)		40.00	
109 80 209 40 **Reissue independent claims over original patent 110 18 210 9 **Reissue claims in excess of 20 and over original patent SUBTOTAL(2) (\$\$) 0.00 149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application Other fee (specify)				
109 80 209 40 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL(2) (\$) 0.00 **Reissue independent claims over original patent examined (37 CFR § 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application Other fee (specify)		i - '''		
Action of a design application SUBTOTAL(2) (\$) 0.00 169 900 169 900 Request for expedited examination of a design application Other fee (specify)				
SUBTOTAL(2) (\$) 0.00 Other fee (specify)		179 710 279 355 Request for Continued Examination (RCE)		
SUBTOTAL(2) (\$) 0.00 Other fee (specify)	and over onginal patent			
40.00	SUBTOTAL(2) (\$) 0.00			
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00				

SUBMITTED BY			Complete (if applicable)		
Name (PrintlType)	Daniel P-Cillo	Registration No. (Attorney/Agent)	25,108	Telephone	412/566-5903
Signature	aniel Pallo			Date	6/13/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.